

CLAIMS

1. A digital data signal comprising:
 - a first data set of source data and control data, said source data being
5 modified in accordance with said control data to generate an intermediate set
of modified data when said data signal is copied by equipment adapted to read
data on a block by block basis; and
 - a second data set associated with said first data set, said second data
set being provided to enable modifications made, or modifications that
10 otherwise would be made to said first data set to generate said intermediate
data set upon copying of said signal by said equipment, to be at least
substantially negated.
2. A digital data signal according to Claim 1, wherein access to said
15 second data set is controlled.
3. A digital data signal according to Claim 1 or 2, wherein said second
data set is encrypted, access to said second data set only being permitted once
the second data set has been decrypted with an appropriate key.
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4. A digital data signal according to any preceding claim, wherein said
intermediate data set is degraded, for example of lower quality, with respect
to said first data set.
- 25 5. A digital data signal according to any preceding claim, wherein said
control data is such that copying of source data without generation of said
intermediate data set is enabled when said digital data signal is copied by data
reading equipment operable to stream data from a data signal.
- 30 6. A digital data signal according to any preceding claim, wherein said
source data comprises audio and/or video data.

7. A digital data signal according to any preceding claim, wherein the second data set comprises an encrypted copy of at least part of said source data.
- 5 8. A digital data signal according to any preceding claim, wherein the second data set comprises an encrypted and possibly compressed copy of the whole of said source data.
9. A data carrier having a first and a second data set of a digital data
10 signal according to any preceding claim recorded thereon.
10. A data carrier according to claim 9, wherein the control data comprises one or more computer program software portions which when executed in an execution environment cause said carrier to be treated
15 incorrectly as a carrier of another type.
11. A data carrier according to Claim 10, wherein the second data set comprises one or more computer program software portions which when executed in an execution environment correctly identify the type of said
20 carrier.
12. A data carrier according to claim 9, wherein the control data comprises modified table of contents (TOC) data that incorrectly specifies a starting address of said source data on said carrier.
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13. A data carrier according to Claim 12, wherein the second data set comprises TOC data that correctly specifies a starting address of said source data on said carrier.
- 30 14. A data carrier according to Claim 9, wherein the control data comprises timing data associated with respective portions of said source data,

at least part of said timing data being recorded non-monotonically on said carrier.

15. A data carrier according to Claim 14, wherein the second data set
5 comprises monotonically recorded timing data associated with respective portions of said source data.

16. A data carrier according to Claim 9, wherein the control data
introduces errors at predetermined points in said intermediate data set upon
10 reading of said signal using equipment adapted to read data on a block by block basis.

17. A data carrier according to Claim 16, wherein said second data set
comprises portions of source data which may be used to replace said error
15 inducing control data.

18. A method of generating a digital data signal according to any of
claims 1 to 8, the method comprising the steps of: inserting control data into a
first data set of source data, and providing in association with said first data
20 set a second data set, wherein upon copying of said signal by equipment adapted to read data from said carrier on a block by block basis said source data is modified in accordance with said control data to generate an intermediate set of modified data, and said second data set is provided to enable modifications made or modifications that otherwise would be made to
25 said first data set upon copying thereof to be at least substantially negated.

19. A method of copying data on a carrier according to any of claims 9 to
17 by means of a copy operation of equipment adapted to read data from said
carrier on a block by block basis, the method comprising the steps of: copying
30 said signal to cause said intermediate data set to be generated, accessing said second data set to retrieve data therefrom, and applying said retrieved data from said second data set to said intermediate data set to reverse

modifications made in accordance with said control data upon copying of said signal.

20. A method of copying data on a carrier according to any of claims 9 to 18 by means of a copy operation of equipment adapted to read data from said carrier on a block by block basis, the method comprising the steps of: copying data from said second data set, modifying said read operation in accordance with said data copied from said second data set, and copying data from said first data set.

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21. A computer program comprising one or more computer program software portions which when executed in an execution environment is configured to perform one or more of the method steps of claim 19 or 20.

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22. Data copying equipment operable to copy data on a block by block basis from a digital data signal according to any of claims 1 to 8 or a digital data signal recorded on a carrier according to any of claims 9 to 17, said reading equipment comprising means for maintaining an execution environment and a computer program according to Claim 21 executable in said execution environment.

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23. A data transfer system comprising data storage means for a plurality of digital data signals according to any of claims 1 to 8, each of said data signals being associated with a respective set of source data; and transmission means for transmitting initially at least part of one or more of said first data sets to a receiving device, and subsequently transmitting second data sets associated with said transmitted first data sets.

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24. A data transfer system according to claim 23, wherein the system comprises means for preventing transmission of said associated second data sets until authorisation has been received.

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25. A data transfer system according to Claim 24, comprising means for determining when payment in respect of first data sets for which said second data sets are to be transmitted has been received, and for subsequently providing said authorisation to said transmission preventing means.

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